

1. (Amended) A sound system for capturing and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

means for separately storing the plurality of separate audio signals without mixing the audio signals;

means for separately retrieving the stored audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the separate audio signals; and

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing the separately amplified audio signals;

wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

2. (Amended) The sound system of claim 1, wherein said separate loudspeaker means comprises a one or more loudspeakers or groups of loudspeakers [which are customized for reproduction of the type of sounds reproduced by each loudspeaker or group of loudspeakers].

3. (Amended) The sound system of claim 1 further comprising a dynamic control means [controller] for individually [dynamically] controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitudes of the separate audio signals for a given system power level based on predetermined criteria [the loudspeaker network and the amplification network].

9. (Amended) A sound system for recording and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

a recording medium;

means for separately storing the plurality of separate audio signals on the recording medium without mixing the audio signals;

means for reading the stored audio signals from the recording medium and recreating the plurality of separate audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the recreated plurality of separate audio signals;

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for separately reproducing the amplified audio signals; and

[a dynamic controller for separately dynamically controlling the loudspeaker network and the amplification network according to predetermined control schemes that takes into account the change in dynamic relationship among the separate audio signals that results from a change in the receiver levels of the audio signal];

a dynamic control means for individually controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitudes of the separate audio signals for a given system power level based on predetermined criteria.

10. (Amended) A system for reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving a plurality of audio signals produced by the plurality of sound sources without mixing the audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for amplifying each of the plurality of audio signals; and

a loudspeaker network comprising a plurality of [customized] loudspeaker means, with separate loudspeaker means for separately reproducing each of the separately amplified audio signals, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

11. (Amended) The sound system of claim 10 further comprising a dynamic control means [controller] for individually [dynamically] controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitudes of the separate audio signals for a given system power level based on predetermined criteria[loudspeaker network and amplifier network].

15. (Amended) A method of recording and reproducing sound comprising the steps of:

capturing a plurality of sounds from a plurality of sound sources;

converting each of the plurality of sounds to an audio signal;

separately recording each of the audio signals;

separately retrieving each of the audio signals;

separately amplifying each of the plurality of audio signals; and

separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds;

the loudspeaker system comprising a plurality of loudspeaker means, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

16. (Amended) The method of claim 15 further comprising the step of dynamically controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitudes of the separate audio signals for a given system power level based on predetermined criteria[loudspeaker network and amplifier network].

19. (Amended) A method of sound reproduction comprising the steps of:

capturing a plurality of sounds from a plurality of sound sources;

converting each of the plurality of sounds to an audio signal;

separately transmitting each of the audio signals without mixing the audio signals;

separately amplifying each of the plurality of audio signals; and

separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds;

the loudspeaker system comprising a plurality of loudspeaker means, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

20. (Amended) The method according to claim 19 further comprising the step of dynamically controlling the sonic characteristics of one or more of the separate sounds being produced, or for

controlling the relative amplitudes of the separate audio signals for a given system power level based on predetermined criteria[loudspeaker network and amplifier network].

23. (Amended) A sound system for capturing and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources, each receiving means associated with a single sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

means for simultaneously and separately storing the plurality of separate audio signals without mixing the audio signals;

means for separately retrieving the stored audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the separate audio signals; and

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing the separately amplified audio signals, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

24. (Amended) A sound system for capturing and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources, each receiving means being associated with a single sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

means for separately storing the plurality of separate audio signals without mixing the audio signals;

means for simultaneously and separately retrieving a plurality of the stored audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the separate audio signals; and

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing the separately amplified audio signals, each loudspeaker means matched to an audio signal, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

25. (Amended) A sound system for capturing and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources, each receiving means being associated with a single sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

means for separately storing the plurality of separate audio signals without mixing the audio signals;

means for separately retrieving a plurality of the stored audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for simultaneously and separately amplifying each of the separate audio signals; and

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing the separately amplified audio signals, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

26. (Amended) A sound system for recording and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources, each receiving means being associated with a single sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

a recording medium;

means for simultaneously and separately storing the plurality of separate audio signals on the recording medium without mixing the audio signals;

means for reading the stored audio signals from the recording medium and recreating the plurality of separate audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the recreated plurality of separate audio signals;

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for separately reproducing the amplified audio signals; and

a dynamic control means for individually controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitude of the separate audio signals for a given power level based on predetermined criteria [a dynamic controller for separately dynamically controlling the loudspeaker network and the amplification network according to predetermined control schemes that takes into account the change in dynamic relationship among the separate audio signals that results from a change in the receiver levels of the audio signal].

27. (Amended) A sound system for recording and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources, each receiving means being associated with a single sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

a recording medium;

means for separately storing the plurality of separate audio signals on the recording medium without mixing the audio signals;

means for reading the stored audio signals from the recording medium simultaneously and recreating the plurality of separate audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the recreated plurality of separate audio signals;

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for separately reproducing the amplified audio signals; and

a dynamic control means for individually controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitude of the separate audio signals for a given power level based on predetermined criteria [a dynamic controller for separately dynamically controlling the loudspeaker network and the amplification network according to predetermined control schemes that takes into account the change in

dynamic relationship among the separate audio signals that results from a change in the receiver levels of the audio signal].

28. (Amended) A sound system for recording and reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving sounds produced by the plurality of sound sources, each receiving means being associated with a single sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

a recording medium;

means for separately storing the plurality of separate audio signals on the recording medium without mixing the audio signals;

means for reading the stored audio signals from the recording medium and recreating the plurality of separate audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for simultaneously and separately amplifying each of the recreated plurality of separate audio signals;

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for separately reproducing the amplified audio signals; and

a dynamic control means for individually controlling the sonic characteristics of one or more of the separate sounds being produced, or for controlling the relative amplitudes of the separate audio signals for a given system power level based on predetermined criteria[a dynamic

controller for separately dynamically controlling the loudspeaker network and the amplification network according to predetermined control schemes that takes into account the change in dynamic relationship among the separate audio signals that results from a change in the receiver levels of the audio signal].

29. (Amended) A system for reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving a plurality of audio signals produced by the plurality of sound sources without mixing the audio signals, each receiving means being associated with a single sound source;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for simultaneously amplifying each of the plurality of audio signals; and

a loudspeaker network comprising a plurality of [customized] loudspeaker means, with separate loudspeaker means for separately reproducing each of the separately amplified audio signals, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

30. A method of recording and reproducing sound comprising the steps of:

- capturing a plurality of sounds from a plurality of sound sources;
- converting each of the plurality of sounds to an audio signal;
- simultaneously and separately recording each of the audio signals;
- separately retrieving each of the audio signals;
- separately amplifying each of the plurality of audio signals; and
- separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds, the loudspeaker system comprising a plurality of loudspeaker means, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

31. A method of recording and reproducing sound comprising the steps of:

- capturing a plurality of sounds from a plurality of sound sources;
- converting each of the plurality of sounds to an audio signal;
- separately recording each of the audio signals;
- simultaneously and separately retrieving each of the audio signals;
- separately amplifying each of the plurality of audio signals; and
- separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds, the loudspeaker system comprising a plurality of loudspeaker means,

wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

32. A method of recording and reproducing sound comprising the steps of:

capturing a plurality of sounds from a plurality of sound sources;

converting each of the plurality of sounds to an audio signal;

separately recording each of the audio signals;

separately retrieving each of the audio signals;

simultaneously and separately amplifying each of the plurality of audio signals; and

separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds, the loudspeaker system comprising a plurality of loudspeaker means,

wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;

wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

33. A method of sound reproduction comprising the steps of:

capturing a plurality of sounds from a plurality of sound sources;
converting each of the plurality of sounds to an audio signal;
simultaneously and separately transmitting each of the audio signals without mixing the audio signals;
separately amplifying each of the plurality of audio signals; and
separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds, the loudspeaker system comprising a plurality of loudspeaker means, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources;
wherein each of the said amplifier means is customized to drive each of the corresponding customized loudspeaker means according to the sonic characteristic of a designated one of a plurality of sources.

34. A method of sound reproduction comprising the steps of:
capturing a plurality of sounds from a plurality of sound sources;
converting each of the plurality of sounds to an audio signal;
separately transmitting each of the audio signals without mixing the audio signals;
simultaneously and separately amplifying each of the plurality of audio signals; and
separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds, the loudspeaker system comprising a plurality of loudspeaker means, wherein each of said separate loudspeaker means is customized to project sound discretely according to the sonic characteristics of a designated one of the plurality of sound sources.